



RESPONSE UNDER 37 CFR § 1.111

Serial Number: 09/846,032

Filing Date: April 30, 2001

Title: OPTICAL AND ELECTRICAL INTERCONNECT

Assignee: Intel Corporation

Page 2

Dkt: 884.424US1

IN THE CLAIMS

Make no amendments to the claims.

1. (Original) An interconnect comprising:
an anisotropic conductive film; and
an optically transmissive unit embedded in the anisotropic conductive film, the optically transmissive unit providing an optically transmissive path through the anisotropic conductive film.
2. (Original) The interconnect of claim 1, wherein the anisotropic conductive film comprises an adhesive, anisotropic conductive film.
3. (Original) The interconnect of claim 2, wherein the adhesive, anisotropic conductive film comprises an epoxy and a plurality of conductive particles embedded in the epoxy.
4. (Original) The interconnect of claim 3, wherein the optically transmissive unit optically couples each of a plurality of optical transmitters to one or more optical receivers.
5. (Original) The interconnect of claim 1, wherein the optically transmissive unit optically couples each of a plurality of optical transmitters to one or more optical receivers.
6. (Original) The interconnect of claim 5, wherein the optically transmissive unit has a transmission area that is substantially rectangular.

-
7. (Original) The interconnect of claim 5, wherein the anisotropic conductive film comprises an adhesive, anisotropic conductive film.
8. (Original) The interconnect of claim 1, wherein the optically transmissive unit comprises an optical polymer.
9. (Original) The interconnect of claim 8, wherein the optical polymer comprises an acrylic acrylate.
10. (Original) The interconnect of claim 9, wherein the optically transmissive unit comprises a substantially cylindrical optically transmissive material.
11. - 23. (Canceled)